



April 7, 2003

VIA CERTIFIED MAIL

RUTGERS Organics Corporation

John O'Grady
U S EPA Region V (SR-6J)
77 W. Jackson Boulevard
Chicago, IL 60604-3590

Joseph Trocchio
Ohio EPA - NE District Office
Div. Of Emerg & Remedial Response
2110 East Aurora Road
Twinsburg, OH 44087

Ray Beaumier
Ohio EPA
P O Box 1049
Lazarus Government Center Office
122 South Front Street
Columbus, OH 43216-1049

**Re: March 2003 Monthly Report
RI/FS & Removal Action
RUTGERS Organics Corporation
Salem, Ohio Site**

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the March 2003 RI/FS Progress Report

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the March 2003 Removal Action Progress Report.

Please contact us if you have any questions regarding activities discussed in these reports.

Sincerely,

A handwritten signature in black ink, appearing to read "Rainer F. Domalski".

Dr Rainer F. Domalski
Manager Remediation Projects

Enclosure

cc. M. Hardy – Thompson Hine
Steve Finn – Golder Associates, Inc.

201 Struble Road
State College, PA 16801

Phone 814-238-2424
Fax 814-238-1567
web-site <http://RUTGERS-ORGANICS-CORPCOM>

Member of the RUTGERS Organics Group

040703 doc



**RÜTGERS ORGANICS CORPORATION
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SALEM, OHIO SITE
MONTHLY PROGRESS REPORT
MARCH 2003**

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio. The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 Project Activity Summary

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

2.2 Fieldwork

No fieldwork was performed.

2.3 Reports

2.3.1 Remedial Investigation - Endangerment Assessment (EA)

A red-lined final EA was submitted to the agencies by the end of December 2001. Based on additional information requested and received by the agencies, ROC submitted a revised Chapter VI and VIII of the EA in January 2002. In a letter dated June 26, 2002, EPA submitted comments regarding the human health part of the EA. ROC has addressed these comments and submitted a revised document by October 30, 2002. ROC also received comments regarding the ecological part of the EA. They were discussed with the agencies in a meeting on December 3, 2002. ROC is in regular contact with the agencies to respond to their comments received at this meeting and in following letters.

On March 18, 2003, the agencies and ROC had a meeting regarding the upcoming Feasibility Study (FS). The parties discussed site conceptual model, proposed operational units, remedial actions objectives and technology screening. The FS should be finalized in December 2003.

2.4 Meetings

A meeting was held on March 18, 2003 at US EPA Region V in Chicago.

3.0 **VARIATIONS FROM THE APPROVED RI/FS WORK PLAN**

No variations from the approved Work Plans occurred during the month.

4.0 **RESULTS OF SAMPLING, TESTS AND ANALYSES**

No RI/FS sampling results/analysis were received this month.

5.0 **PROJECT SCHEDULE**

The attached updated Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include:

- Revise ecological part of the EA according to outcome of the December 3, 2002 meeting and submit draft response
- Prepare Feasibility Study

6.0 **DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS**

No significant difficulties were encountered.

7.0 **PERSONNEL CHANGES**

No changes occurred during this month.

8.0 **ANTICIPATED PROJECT ACTIVITIES FOR APRIL 2003**

- Monthly Progress Report March 2003
- Finalize Response regarding agencies' comment on EA
- Prepare Feasibility Study

Table 1
Nease Site, Salem, Ohio
RI/FS Schedule

Date	Task/Activity/Deliverable/Milestone
February 22, 1988	Effective Date of RI/FS Administrative Order of Consent
April 5, 1991	Partial Salem RI submitted to Agencies
July 6, 1993	Salem RI submitted to Agencies
July 29-30, 1993	Source sampling event, ROC/Golder and Agencies/B&V WST
August 10, 1993	Submit monthly progress report
September 10, 1993	Submit monthly progress report
October 10, 1993	Submit monthly progress report
November 10, 1993	Submit monthly progress report
Nov./Dec , 1993	Egypt Swamp Sampling Event
December 10, 1993	Submit monthly progress report
January 10, 1994	Submit monthly progress report
February 10, 1994	Submit monthly progress report
March 10, 1994	Submit monthly progress report
March 30, 1994	Submit Supplemental Production Well Closure Plant to Agencies
April 10, 1994	Submit monthly progress report
May 10, 1994	Submit monthly progress report
June 10, 1994	Submit monthly progress report
July 10, 1994	Submit monthly progress report
August 10, 1994	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
August 18, 1994	Submit to Agencies Additional RI Report: MFLBC
August 22, 1994	Receipt of US EPA Draft Comments on 1993 Salem RI Report
September 6, 1994	Receipt of US EPA Comments on 1993 Salem RI Report
September 10, 1994	Submit monthly progress report
September 23, 1994	Receipt of USEPA Comments on Well Closure Plan
October 7, 1994	Submit Supplemental Production Well Closure Plan (Revision #1)
October 10, 1994	Submit monthly progress report
November 8, 1994	Receipt of USEPA approval of Well Closure Plan (Revision #1)
November 10, 1994	Submit monthly progress report
December 10, 1994	Submit monthly progress report
December 13-19, 1994	Production Well Closure Field Work
January 10, 1995	Submit monthly progress report
February 10, 1995	Submit monthly progress report
February 27, 1995	Receipt of USEPA Comments to Additional Remedial Investigation Report
March 10, 1995	Submit monthly progress report
March 30, 1995	Revised MFLBC Sampling Plan submitted
April 10, 1995	Submit monthly progress report
April 25, 1995	Meet to finalize MFLBC Sampling Plan
May 10, 1995	Submit monthly progress report
June 6, 1995	Propose groundwater sampling Round 3
June 10, 1995	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
June 30, 1995	Receive agency comments to groundwater sampling Round 3 proposal
July 5, 1995	Receive agency approval of MFLBC Sampling Plan
July 6, 1995	Submit revised Round 3 groundwater sampling proposal
July 10, 1995	Submit monthly progress report
August 1, 1995	Receive Agency approval for CAL MPK analysis
August 4, 1995	Submit Rt 14/Feeder Creek Plan to Agencies
August 10, 1995	Submit monthly progress report
September 5-15, 1995	<i>Anticipated MFLBC phase III Sample Collection</i>
September 10, 1995	Submit monthly progress report
September 12, 1995	Receive agency comments on Rt. 14/Feeder Creek Sampling Plan
September 18-30, 1995	Round 3 Groundwater Collection
October 6, 1995	Submit revised Rt 14/Feeder Creek Sampling Plan
October 25, 1995	Resubmit revised Rt 14/Feeder Creek Sampling (Verbal Comments)
October 30-November 2, 1995	Collect Rt. 14/Feeder Creek Samples
November 10, 1995	Submit monthly progress report
December 10, 1995	<i>Submit monthly progress report</i>
December 28, 1995	Receive Agency comments to Remedial Investigation Report
January 10, 1996	Submit monthly progress report
January 31, 1996	Submit Revised RI Report Volumes 1, 1A, 3 and 4
February 10, 1996	Submit monthly progress report
March 10, 1996	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
April 10, 1996	Submit monthly progress report
April 24, 1996	Meeting with agencies to discuss project status and submittal dates
May 10, 1996	Submit monthly progress report
May 24, 1996	Submit Appendix N
June 10, 1996	Submit monthly progress report
June 14, 1996	Submit Round 3 Groundwater Sampling Data
June 19, 1996	Revised RI Approved by EPA/OEPA
July 10, 1996	Submit monthly progress report
August 10, 1996	Submit monthly progress report
September 6, 1996	Submit monthly progress report
September 11, 1996	Meeting with Agencies to discuss Endangerment Assessment Comments
October 10, 1996	Submit monthly progress report, Submit revised Rt 14/FC Investigation Results, Submit revised Eastern Plume/DNAPL Work Plan
November 10, 1996	Submit monthly progress report
December 10, 1996	Submit monthly progress report
December, 1996	Complete Fieldwork E. Plume/DNAPL Workplan
January 10, 1997	Submit monthly progress report
January 23, 1997	Piezometer (hydropunch) sampling conducted
February 7, 1997	Submit monthly progress report
March 7, 1997	Submit monthly progress report
March 25, 1997	Receive agency comments on E Plume/DNAPL Workplan
April 10, 1997	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
May 9, 1997	Submit monthly progress report
June 9, 1997	Submit monthly progress report
June 30, 1997	Receive Agency comments on Appendix N, RI
July 8, 1997	Submit monthly progress report
July 18, 1997	Submit revision package for Appendix N addressing agency comments
August 8, 1997	Submit DNAPL/Eastern Plume Report and Monthly progress report
August 20, 1997	Agency approval of Appendix N
September 10, 1997	Submit monthly progress report
October 10, 1997	Submit monthly progress report
November 10, 1997	Submit monthly progress report
December 10, 1997	Submit monthly progress report
December 18, 1997	Receive (12/19/97) agency comments to previously submitted EA chapters
December 18, 1997	Receive (12/29/97) USEPA Comments to Eastern Plume/DNAPL report
December 29, 1997	Receive (12/31/97) OEPA Comments to Eastern Plume/DNAPL report
January 8, 1998	Clarifications to agency EA comments requested by ROC letter
January 9, 1998	Submit monthly progress report
January 13, 1998	Telephone conference to obtain clarification on agency EA comments (human health)
January 22, 1998	Meeting in US EPA's Chicago offices to discuss Eastern Plume/DNAPL report comments
January 28, 1998	Telephone conference to obtain clarifications on agency EA comments
January 29, 1998	Telephone conference to obtain clarifications on agency EA comments (Ecological and revision schedule)
February 3, 1998	ROC letter regarding summary of previous EA clarification telephone calls

Date	Task/Activity/Deliverable/Milestone
February 10, 1998	Submit monthly progress report
February 12, 1998	Meeting in Twinsburg, OH to discuss agency comment to EA chapters and approach for finalization of remaining chapters.
March 10, 1998	Submit monthly progress report
April 1, 1998	Receiver USEPA comments to revised Eastern Plume/DNAPL report
April 8, 1998	Submit monthly progress report
April 15, 1998	Submit Complete EA
May 7, 1998	Submit monthly progress report
June 9, 1998	Submit monthly progress report
July 10, 1998	Submit monthly progress report
August 5, 1998	Revised Eastern Plume/DNAPL report submitted
August 7, 1998	Submit monthly progress report
August 14, 1998	Receive draft agency comments on EA
August 26, 1998	Meeting in Twinsburg, Ohio to discuss EA comments
September 10, 1998	Submit monthly progress report
October 8, 1998	Meeting to discuss EA technical issues (EPA office, Chicago)
October 9, 1998	Submit monthly progress report
November 6, 1998	Teleconference on EA comments
November 10, 1998	Submit monthly progress report
November 30, 1998	Receive additional agency comments on EA
December 10, 1998	Submit monthly progress report
December 15, 1998	Teleconference on EA comments

Date	Task/Activity/Deliverable/Milestone
January 6, 1999	Teleconference on EA comments (remaining item information status)
January 8, 1999	Submit monthly progress report
January 22, 1999	Submit EA Appendices
February 3, 1999	Agency MFLBC Sampling Letter received
February 9, 1999	Receive partial agency comments to EA/Appendices
February 10, 1999	Submit monthly progress report
February 23, 1999	ROC responds to MFLBC Sampling proposal
March 9, 1999	Submit monthly progress report
March 16, 1999	Receive additional agency comments to EA/Appendices, more anticipated
April 8, 1999	Receive final agency comments to EA/Appendices
April 9, 1999	Submit monthly progress report
May 10, 1999	Submit monthly progress report
May 17, 1999	Agency response letter to ROC MFLBC sampling proposal received
June 7, 1999	Conference call to resolve details on MFLBC sampling program and locations
June 9, 1999	Submit monthly progress report
June 18, 1999	Submit revised EA
July 9, 1999	Submit monthly progress report
July 12-21, 1999	Conduct additional MFLBC field sampling work
July 28, 1999	ROC proposal for Residential well sampling program via a conference call
August 8, 1999	Submit monthly progress report
September 1, 1999	Agency approval of residential well sampling program via a conference call

Date	Task/Activity/Deliverable/Milestone
September 10, 1999	Submit monthly progress report
October 8, 1999	Submit monthly progress report
November 8, 1999	Submit monthly progress report
December 9, 1999	Submit monthly progress report
January 10, 2000	Submit monthly progress report
January 11, 2000	Conduct Residential Well Sampling Program
February 10, 2000	Submit monthly progress report
March 8, 2000	Submit monthly progress report
March 31, 2000	Submit MFLBC Date Summary Report
April 4, 2000	Submit monthly progress report
May 10, 2000	Submit monthly progress report
June 7, 2000	Submit Residential Well Sampling Results
June 8, 2000	Submit monthly progress report
July 7, 2000	Submit monthly progress report
July 31, 2000	Received agency comment letter regarding draft Endangerment Assessment
August 8, 2000	Submit monthly progress report
September 8, 2000	Submit monthly progress report
October 4, 2000	Submit monthly progress report
October 11, 2000	Agencies/ROC meeting regarding agency's comments to draft Endangerment Assessment
November 3, 2000	Submit monthly progress report
November 14, 2000	Submit parts of the revised Endangerment Assessment (Chapter 1 – 4, 9)
December 8, 2000	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
December 12, 2000	Submit parts of the revised Endangerment Assessment (Chapter 10)
January 4, 2001	Submit monthly progress report
February 6, 2001	Submit monthly progress report
March 8, 2001	Submit monthly progress report
April 9, 2001	Submit monthly progress report
April 11, 2001	Received agencies' comments regarding Appendix I
May 8, 2001	Submit monthly progress report
May 18, 2001	Received agencies' comments regarding Appendix I
June 6, 2001	Submit monthly progress report
July 6, 2001	Submit monthly progress report
August 7, 2001	Submit monthly progress report
August 20, 2001	Received agencies' comments regarding indoor air
September 7, 2001	Received agencies' comments regarding dermal exposure
September 10, 2001	Submit monthly progress report
September 18, 2001	Initial response to agencies' September 7, 2001 letter
October 5, 2001	Submit Monthly progress report
October 19, 2001	Received agencies' comment letter regarding EA issues
November 2, 2001	Response to agencies' comments October 19, 2001
November 7, 2001	Submit monthly progress report
December 7, 2001	Submit monthly progress report
December 28, 2001	Submit draft final Endangerment Assessment (Human Health)
January 9, 2001	Submit monthly progress report
January 25, 2002	Submit revised EA Chapters VI and VIII
February 8, 2002	Submit monthly progress report
March 5, 2002	Submit monthly progress report
April 5, 2002	Submit monthly progress report
May 8, 2002	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
June 5, 2002	Submit monthly progress report
July 8, 2002	Submit monthly progress report
August 9, 2002	Submit monthly progress report
August 26, 2002	EPA submit comments regarding ecological part of EA
September 10, 2002	Submit monthly progress report
October 10, 2002	Submit monthly progress report
October 30, 2002	Submit Draft Endangerment Assessment (Human Health Part)
November 6, 2002	Submit monthly progress report
December 3, 2002	Meeting with the agencies regarding the ecological part of the EA
December 10, 2002	Submit monthly progress report
December 30, 2002	Agency comment letter regarding EA
January 9, 2003	Submit progress report
February 5, 2003	Submit monthly progress report
March 18, 2003	Meeting between agencies and ROC regarding FS
March 19, 2003	Submit monthly progress report
April 7, 2003	Submit monthly progress report

**RÜTGERS ORGANICS CORPORATION
REMOVAL ACTION
SALEM, OHIO SITE
MONTHLY PROGRESS REPORT
MARCH 2003**

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No. V-W-94-C-212, effective November 17, 1993, regarding a Removal Action at the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 Project Activity

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC.

2.2 Work Plan Preparation/Reports

No work plans/reports were submitted this period.

2.3 Fieldwork

2.3.1 Site Inspections

The results of the monthly site inspection carried out at the site on March 28, 2003 are shown in Attachment 1.

2.3.2 Monthly Water Level Measurements

Water level measurements taken in monitoring wells at the site on March 28, 2003 are provided in Attachment 2.

2.3.3 Treatment Plant Operation

The treatment plant operated normally throughout the month.

2.4.1.1 Meetings

No meetings were held this month.

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

There were no variations from the approved Removal Action Work Plan for the month.

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant during the month. Attachments 3 and 4 include results from water and air samples collected on March 3 and 13, 2003.

5.0 PROJECT SCHEDULE

The attached and updated Work Plan schedule identifies completion and target dates for project activities.

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

- No significant difficulties were reported this month

7.0 PERSONNEL CHANGES

No changes occurred during this month.

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from February 1 through February 28, 2003 the following material was removed:

- 150,760 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 269,723 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 = 13,087,308 gallons).
- Approximately 14,113 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 966,229 gallons).
- No water was pumped from Pond 1 (total for the pond = 872,618 gallons).

- Approximately 25.47 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR APRIL 2003

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- *Monthly Progress Report*

Table 1
Nease Site, Salem, Ohio
Removal Action Schedule

Date	Task/Activity/Deliverable/Milestone
November 17, 1993	Removal AOC Effective Date
November 17, 1993	Commence Preparation of Removal Action Work Plan
November 23, 1993	Submit Treatment Plant Performance Evaluation Work Plan (Rev. #1)
November 28, 1993	USEPA Conditional Approval of TPPEWP
December 1, 1993	Commence Treatment Plant Performance Evaluation
December 9, 1993	Complete Treatment Plant Performance Evaluation
December 10, 1993	Submit monthly progress report
December 17, 1993	Submit Removal Action Work Plan (Rev #0) to USEPA
January 3, 1994	USEPA Approval of TPPEWP (Rev #1)
January 10, 1994	Submit monthly progress report
January 15, 1994	Complete Treatment Plant Data Analysis and Evaluation
January 17, 1994	Notify EPA of inability of Treatment Plant to meet proposed discharge criteria. Commence preparation of Treatment Plant Modifications Work Plan (TPMWP)
January 24, 1994	USEPA disapproval of Removal Action Work Plan (Rev. #0) and associated comments
February 4, 1994	Submit Revised Removal Action Work Plan (Rev #1) and Response to Agency comments
February 10, 1994	Submit monthly progress report
February 11, 1994	Submit Treatment Plant Performance Evaluation Report (TPPER)
March 2, 1994	Submit Treatment Plant Modifications Work Plan (TPMWP, Rev. #0)
March 10, 1994	Submit monthly progress report
April 10, 1994	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
April 13, 1994	Submit Revised Removal Action Work Plan (Rev #2) and Response to Agency comments
April 20, 1994	Submit Revised TPMWP (Rev #1) and Response to Agency comments
May 10, 1994	Submit monthly progress report
May 13, 1994	Submit Updates (Rev #3) to Removal Action Work Plan (Rev #2) and Response to Agency comments
May 25, 1994	USEPA approval of Revised RA Work Plan (Rev #2). Commence work on Work Plan implementation
May 25, 1994	Commence Preparation of Removal Action WP Addendum
June 1, 1994	Receipt of USEPA approval of Revised RA Work Plan (Rev #3)
June 10, 1994	Submit monthly progress report
June 24, 1994	Submit TPMWP (Rev #2)
July 10, 1994	Submit monthly progress report
July 26, 1994	Submit Treatment Plant Modifications Design Technical Memorandum (TPMDTM, Rev #0)
July 28, 1994	Receipt of USEPA approval of TPMWP (Rev #2 with revised Table 4)
August 10, 1994	Submit monthly progress report
August 30, 1994	Submit Removal Action Work Plan Addendum (RAWPA)
September 10, 1994	Submit monthly progress report
September 23, 1994	Receipt of USEPA Comments or TPMDTM
October 3, 1994	Submit TPMDTM (Rev #1)
October 4, 1994	Submit TPMDTM (Rev #1)
October 10, 1994	Submit monthly progress report
November 9, 1994	Submit TPMDM (Rev #2)
November 10, 1994	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
December 1, 1994	Receipt of USEPA approval of TPMDTM (Rev #2)
December 10, 1994	Submit monthly progress report
December 12-19, 1994	RAWPA Extraction Well and Piezometer Installation
January 10, 1995	Submit monthly progress report
January/February/ March, 1995	Construction of TPMWP/TPMDTM measures
February 10, 1995	Submit monthly progress report
March 10, 1995	Submit monthly progress report
March 13-16, 1995	Performance of Field Pumping Tests (E4 and S7)
April 10, 1995	Submit monthly progress report
April 24, 1995	Submit status report on RAWPA, Task 5
May 4, 1995	Start on-site treatment plant
May 10, 1995	Submit monthly progress report
June 10, 1995	Submit monthly progress report
July 10, 1995	Submit monthly progress report
July 21, 1995	Submit treatment plant 1 st month operation summary report
July 26, 1995	Submit Cone penetrometer testing report and additional investigation plan
August 10, 1995	Submit monthly progress report
September 10, 1995	Submit monthly progress report
October 10, 1995	Submit monthly progress report
November 10, 1995	Submit monthly progress report
December 10, 1995	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
January 8-12, 1996	Conduct 2 nd Round of cone penetrometer testing on site
January 10, 1996	Submit monthly progress report
February 10, 1996	Submit monthly progress report
March 10, 1996	Submit monthly progress report
April 10, 1996	Submit monthly progress report
April 18, 1996	Discontinue Outfall Discharge
April 24, 1996	Agency Meeting – Discuss CPT results and future action plan
May 10, 1996	Submit monthly progress report
May 23, 1996	Submit 1996 IRM Seep Investigation and Fabric Barrier Work Plan
June 10, 1996	Submit monthly progress report
July 8-12, 1996	Install Piezometers and modify fabric barriers
July 10, 1996	Submit monthly progress report
August 6, 1996	Submit monthly progress report
September 10, 1996	Submit monthly progress report
October 10, 1996	Submit monthly progress report
November 10, 1996	Submit monthly progress report
December 10, 1996	Submit monthly progress report
January 10, 1997	Submit monthly progress report
February 10, 1997	Submit monthly progress report
March 10, 1997	Submit monthly progress report
April 10, 1997	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
May 9, 1997	Submit monthly progress report
May 13, 1997	Sample seep piezometers
June 9, 1997	Submit monthly progress report
July 8, 1997	Submit monthly progress report
August 8, 1997	Submit monthly progress report
September 10, 1997	Submit monthly progress report
October 10, 1997	Submit monthly progress report
November 10, 1997	Submit monthly progress report
December 10, 1997	Submit monthly progress report
January 9, 1998	Submit monthly progress report
February 10, 1998	Submit monthly progress report
March 10, 1998	Submit monthly progress report
April 8, 1998	Submit monthly progress report
May 7, 1998	Submit monthly progress report
June 9, 1998	Submit monthly progress report
June 30, 1998	Sample Seep Sheen
July 10, 1998	Submit monthly progress report
August 7, 1998	Submit monthly progress report
August 19, 1998	Install 1 new fabric barrier and remover 1 old one
September 10, 1998	Submit monthly progress report
October 9, 1998	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
November 10, 1998	Submit monthly progress report
December 10, 1998	Submit monthly progress report
January 8, 1999	Submit monthly progress report
February 10, 1999	Submit monthly progress report
March 9, 1999	Submit monthly progress report
April 9, 1999	Submit monthly progress report
May 10, 1999	Submit monthly progress report
June 9, 1999	Submit monthly progress report
July 9, 1999	Submit monthly progress report
August 9, 1999	Submit monthly progress report
September 10, 1999	Submit monthly progress report
October 8, 1999	Submit monthly progress report
November 8, 1999	Submit monthly progress report
December 9, 1999	Submit monthly progress report
January 10, 2000	Submit monthly progress report
February 10, 2000	Submit monthly progress report
March 8, 2000	Submit monthly progress report
April 4, 2000	Submit monthly progress report
May 10, 2000	Submit monthly progress report
June 8, 2000	Submit monthly progress report
July 7, 2000	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
August 8, 2000	Submit monthly progress report
September 8, 2000	Submit monthly progress report
October 4, 2000	Submit monthly progress report
November 3, 2000	Submit monthly progress report
December 8, 2000	Submit monthly progress report
January 4, 2001	Submit monthly progress report
February 6, 2001	Submit monthly progress report
March 8,2001	Submit monthly progress report
April 9, 2001	Submit monthly progress report
May 8, 2001	Submit monthly progress report
June 6, 2001	Submit monthly progress report
July 6, 2001	<i>Submit monthly progress report</i>
August 7, 2001	Submit monthly progress report
September 10, 2001	Submit monthly progress report
October 5, 2001	Submit monthly progress report
November 7, 2001	Submit monthly progress report
December 7, 2001	Submit monthly progress report
January 9, 2002	Submit monthly progress report
February 8, 2002	Submit monthly progress report
March 5, 2002	Submit monthly progress report
April 5, 2002	Submit monthly progress report
May 8, 2002	<i>Submit monthly progress report</i>
June 5, 2002	Submit monthly progress report
July 8, 2002	Submit monthly progress report
August 9, 2002	Submit monthly progress report
September 10, 2002	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
October 10, 2002	Submit monthly progress report
November 6, 2002	Submit monthly progress report
December 10, 2002	Submit monthly progress report
January 9, 2003	Submit monthly progress report
February 7, 2003	Submit monthly progress report
March 19, 2003	Submit monthly progress report
April 7, 2003	Submit monthly progress report

040703 doc

Attachment 1
Results of Monthly Site Inspection
March 2003

Site Inspection Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of inspection: March 18, 2003

Entry Time: 9:00

Exit Time: 3:00

Weather: Cloudy, cold

Inspector's Name: Denny Lane

Inspector's Company: Howells & Baird, Inc.

INSPECTION RESULTS

SPECIFIC OBSERVATIONS: STRUCTURES

(Responses: S = Satisfactory, U = Unsatisfactory, Yes/No, Levels in Ft., NA = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS 1)	S	S	6.05	NA	NO
Leachate Collection System 2 (LCS 2)	S	S	11.82	NA	NO
Pond 1 Pumphouse	S	S	9.69	NA	NO
Pond 1 Berm	NA	NA	NA	NO	NO
Pond 2 Embankment	NA	NA	NA	NO	NO
Exclusion Area A Embankment	NA	NA	NA	NO	NO
Storage Tank	NA	S	4.58	NA	NO

SPECIFIC OBSERVATION: SEDIMENT BARRIERS

Condition of sediment barriers

Barrier ID	Fabric Intact?	Bypass Evident	Needs Maint.
Sediment Control Structure 1	YES	NO	NO
Sediment Control Structure 2	YES	NO	NO
Fabric Barrier 2	YES	NO	NO
Fabric Barrier 3	YES	NO	NO
Fabric Barrier 4	YES	NO	NO
Fabric Barrier 4a	YES	NO	NO
Fabric Barrier 5	YES	NO	NO
Fabric Barrier 8	YES	NO	NO
Fabric Barrier 9	YES	NO	NO
Fabric Barrier 10	YES	NO	NO
Rock Barrier 1	YES	NO	NO
Rock Barrier 2	YES	NO	NO
Pond 7 - North	YES	NO	NO
Pond 7 - South	YES	NO	NO

Site Inspection Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

SPECIFIC OBSERVATIONS: SEEPS

Seep ID	Located on Map	Area (ft ²)	Magnitude Flow?, Ponding?
94-7-1	YES	20	Non-flowing seep
96-8-2	YES	20	Non-flowing seep

Inspector's Name

Denny Lane

Inspector's Signature

Dennis Lane / [Signature]

Date

4/1/03

S2

CRANE-DEMING COMPANY

S13

CRANE
DEMING
SWAMP

96-8-2

94-1-1

S1



Attachment 2
Results of Monthly Water Level Measurements
March 2003

Monthly Monitoring Well Water Level Measurement Form
Rutgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: March 18, 2003

Entry Time: 9:00

Exit Time: 3:00

Inspector's Name: Denny Lane

Inspector's Company: Howells & Baird

Inspector's Signature Dennis Lane / [Signature]

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
AUBA	28.43	Yes	Mar 18	
A-S	10.20	Yes	Mar 18	
B-S	12.73	Yes	Mar 18	
C-S	6.62	Yes	Mar 18	
CLBA	13.18	Yes	Mar 18	
CUBA	10.65	Yes	Mar 18	
D-1	22.88	Yes	Mar 18	
D-2	23.47	Yes	Mar 18	
D-3	9.44	Yes	Mar 18	
D-4	20.64	Yes	Mar 18	
D-5	31.57	Yes	Mar 18	
D-6	21.13	Yes	Mar 18	
D-7	1.85	Yes	Mar 18	
D-8	0.43	Yes	Mar 18	
D-9	14.40	Yes	Mar 18	
D-10	9.68	Yes	Mar 18	
D-11	22.55	Yes	Mar 18	
D-12	21.29	Yes	Mar 18	
D-13	30.22	Yes	Mar 18	
D-14	6.14	Yes	Mar 18	
D-15	5.92	Yes	Mar 18	
D-16	0.00	Yes	Mar 18	
D-17	3.30	Yes	Mar 18	
DLBA	0.00	Yes	Mar 18	1.7 PSI
DVF2	0.00	Yes	Mar 18	Bolted Shut
DVF3	3.45	Yes	Mar 18	
ELBA	1.86	Yes	Mar 18	
EVF1	3.47	Yes	Mar 18	
EVF2	9.74	Yes	Mar 18	
EVF3	5.32	Yes	Mar 18	
EVF4	4.27	Yes	Mar 18	
EW-4	9.30	Yes	Mar 18	
EW-5	9.60	Yes	Mar 18	
FLBA	10.53	Yes	Mar 18	
FVF3	11.36	Yes	Mar 18	Stream level = Frozen
FVF4	12.24	Yes	Mar 18	

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: March 18, 2003

Entry Time: 9 00

Exit Time: 3 00

Inspector's Name: Denny Lane

Inspector's Company: Howells & Baird

Inspector's Signature _____

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
FVF6	10 05	Yes	Mar. 18	
GUBA	2 18	Yes	Mar. 18	
H-S	2 58	Yes	Mar. 18	
HUBA	14 97	Yes	Mar. 18	
HVF1	13 55	Yes	Mar. 18	
I-SHALE	15 90	Yes	Mar. 18	
ILBA	49 55	Yes	Mar. 18	
I-S	15.93	Yes	Mar. 18	
IUBA	28 67	Yes	Mar. 18	
JLBA	4.74	Yes	Mar. 18	
JVF2	11 27	Yes	Mar. 18	Stream Marker Gone
JVF3	9 25	Yes	Mar. 18	
JVF4	7 14	Yes	Mar. 18	
KLBA	0 00	Yes	Mar. 18	
KVF2	0.00	Yes	Mar. 18	
KVF4	3 10	Yes	Mar. 18	
LBA	22 55	Yes	Mar. 18	
LVF1	19.13	Yes	Mar. 18	Dry
LVF2	16.59	Yes	Mar. 18	
P-1A	5.35	Yes	Mar. 18	
P-2A	6.51	Yes	Mar. 18	
P-3A	6.67	Yes	Mar. 18	
P-1U	37.88	Yes	Mar. 18	
P-1L	34 22	Yes	Mar. 18	
P-2U	30 05	Yes	Mar. 18	
P-2L	42 99	Yes	Mar. 18	
PZ-1	10.84	Yes	Mar. 18	
PZ-2	12.08	Yes	Mar. 18	
PZ-3S	13 44	Yes	Mar. 18	
PZ-3M	23.58	Yes	Mar. 18	
PZ-3B	30 91	Yes	Mar. 18	
PZ-4S	12 80	Yes	Mar. 18	
PZ-4M	19 57	Yes	Mar. 18	
PZ-4B	26 53	Yes	Mar. 18	
PZ-5S	3.20	Yes	Mar. 18	
PZ-5M	15.35	Yes	Mar. 18	

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: March 18, 2003

Entry Time: 9:00

Exit Time: 3:00

Inspector's Name: Denny Lane

Inspector's Company: Howells & Baird

Inspector's Signature _____

Number	Water (feet)	Lock Intact?	Date	Comments
PZ-5T	15.58	Yes	Mar. 18	
PZ-5B	17.50	Yes	Mar. 18	
PZ-6B-U	14.74	Yes	Mar. 18	
PZ-6B-M	13.93	Yes	Mar. 18	
PZ-6B-L	13.01	Yes	Mar. 18	
PZ-7	6.80	Yes	Mar. 18	
RW-1	23.65	Yes	Mar. 18	
S-1	15.04	Yes	Mar. 18	
S-2	7.25	Yes	Mar. 18	
S-3	4.80	Yes	Mar. 18	
S-4	4.03	Yes	Mar. 18	
S-5	11.96	Yes	Mar. 18	
S-6	4.90	Yes	Mar. 18	
S-7	3.68	Yes	Mar. 18	
S-8	2.41	Yes	Mar. 18	
S-9	15.92	Yes	Mar. 18	
S-10	8.59	Yes	Mar. 18	
S-11	9.61	Yes	Mar. 18	
S-12	2.98	Yes	Mar. 18	
S-13	4.01	Yes	Mar. 18	
S-14	0.00	Yes	Mar. 18	
S-15	0.00	Yes	Mar. 18	
S-16	11.53	Yes	Mar. 18	
S-17	0.12	Yes	Mar. 18	
S-18	8.30	Yes	Mar. 18	
S-19	0.00	Yes	Mar. 18	
SP-1	4.54	Yes	Mar. 18	
SP-2	4.48	Yes	Mar. 18	
SP-3	4.42	Yes	Mar. 18	
SP-4	4.78	Yes	Mar. 18	
SP-5	4.40	Yes	Mar. 18	
SP-6	4.63	Yes	Mar. 18	

Attachment 3

Water/Air Sampling Results – March 3, 2003

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

MAR 31 2006

Date Received: 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number: 31184

Date Collected: 03-MAR-03

Client ID: INFLUENT-3-3-03

Lab ID: L34240-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BOD-5 DAY	mg/L	36	1	SM 5210	05-MAR-03	STL
IRON-LOW LEVEL	mg/L	11.6	.0005	EPA 200.8	07-MAR-03	JMS
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	12-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	12-MAR-03	CS
MIREX	ug/L	.0462	.002	SOP 6.2	12-MAR-03	CS
PH	PH UNITS	7.29	0	EPA 150.1	05-MAR-03	CEB
TOTAL DISSOLVED SOLIDS	mg/L	563	10	EPA 160.1	07-MAR-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	28.6	4.5	EPA 160.2	07-MAR-03	STL

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number 31184

Date Collected: 03-MAR-03

Client ID: LGAC2-3-3-03

Lab ID. L34240-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BOD-5 DAY	mg/L	4	1	SM 5210	05-MAR-03	STL
IRON-LOW LEVEL	mg/L	.312	.0005	EPA 200.8	07-MAR-03	JMS
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	12-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	12-MAR-03	CS
MIREX	ug/L	U .002	.002	SOP 6.2	12-MAR-03	CS
PH	PH UNITS	8.96	0	EPA 150.1	05-MAR-03	CEB
TOTAL DISSOLVED SOLIDS	mg/L	560	10	EPA 160.1	07-MAR-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4 5	4.5	EPA 160.2	07-MAR-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L*	< 10	10	EPA 8260B	11-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received 04-MAR-03
Date Reported 27-MAR-03

Invoice Number: 31184

Date Collected: 03-MAR-03

Client ID: LGAC2-3-3-3-03

Lab ID: L34240-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
2-BUTANONE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by:



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T: 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number. 31184

Date Collected: 03-MAR-03

Client ID: OUTFALL-3-3-03

Lab ID: L34240-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BOD-5 DAY	mg/L	3	1	SM 5210	05-MAR-03	STL
COD	mg/L	< 10	10	EPA 410.4	07-MAR-03	STL
IRON-LOW LEVEL	mg/L	.32	.0005	EPA 200.8	07-MAR-03	JMS
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	12-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	12-MAR-03	CS
MIREX	ug/L	U .002	.002	SOP 6.2	12-MAR-03	CS
AMMONIA	mg/L	.7	2	EPA 350.1	26-MAR-03	TGA
OIL & GREASE	mg/L	< 9.8	9.8	EPA 1664A	16-MAR-03	STL
PH	PH UNITS	9.18	0	EPA 150.1	05-MAR-03	CEB
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BENZO (A) ANTHRACENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BENZO (K) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
3,4-BENZOFUORANTHENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BENZO (B) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BENZO (G,H,I) PERYLENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BENZO (A) PYRENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
CHRYSENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
DIBENZ (A,H) ANTHRACENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
FLUORENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
INDENO (1,2,3-CD) PYRENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
PYRENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
PHENOL	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number. 155

Contact: RAINER DOMALSKI

Date Received: 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number: 31184

Date Collected: 03-MAR-03

Client ID: OUTFALL-3-3-03

Lab ID: L34240-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	11-MAR-03	CS
TOTAL DISSOLVED SOLIDS	mg/L	530	10	EPA 160.1	07-MAR-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4.5	4.5	EPA 160.2	07-MAR-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	06-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	06-MAR-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	06-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	06-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number 31184

Date Collected: 03-MAR-03

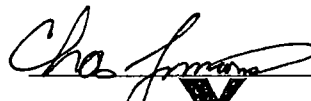
Client ID: OUTFALL-3-3-03

Lab ID: L34240-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	06-MAR-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	06-MAR-03	JEG

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by:



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T: 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received 04-MAR-03
Date Reported: 27-MAR-03

Invoice Number: 31184

Date Collected 26-FEB-03

Client ID: TRIP BLANK

Lab ID: L34240-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	11-MAR-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	11-MAR-03	JEG

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by.



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T: 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received: 4-Mar-03
Date Reported 25-Mar-03

Invoice Number: 31184

Contact RAINER DOMALSKI

Date Collected: 3-Mar-03

Client ID. AGAC 1-2-3-3-03

Lab ID: L34240-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
BROMOFORM	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
DIBROMOCHLOROMETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
DIBROMOMETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CUMENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
N-PROPYLBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
VINYL CHLORIDE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,1-DICHLOROETHENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,1-DICHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CHLOROFORM	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CARBON TETRACHLORIDE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
BENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,2-DICHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TRICHLOROETHENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,2-DICHLOROPROPANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TOLUENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
TETRACHLOROETHENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
CHLOROBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
ETHYLBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
M, P-XYLENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
O-XYLENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
STYRENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT: 155

Date Received. 4-Mar-03
Date Reported. 25-Mar-03

Invoice Number 31184

Contact: RAINER DOMALSKI

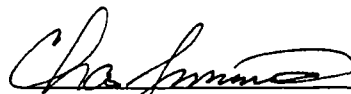
Date Collected 3-Mar-03

Client ID. AGAC 1-2-3-3-03

Lab ID: L34240-5

PARAMETER	UNITS	RESULT	LIMIT OF			
			QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,3-DICHLOROBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,4-DICHLOROBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB
1,2-DICHLOROBENZENE	ppb (v/v)	< 19	19	EPA-19 TO-14	12-Mar-03	SUB

Submitted by
Exygen Research
Reviewed and Approved by


Charles Simons
Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Contact: RAINER DOMALSKI

Client ID: AGAC 1-2-3-3-03

Lab ID L34240-5

Date Received: 4-Mar-03
Date Reported: 25-Mar-03

Invoice Number: 31184

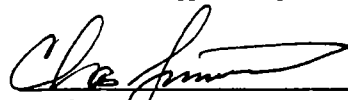
Date Collected: 3-Mar-03

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
METHYLENE CHLORIDE	ppb (v/v)	5300	M 7.0926	EPA-19 TO-14	28-Feb-03	SUB

M. Result was measured against nearest internal standard assuming a response factor of 1.

Submitted by
Exygen Research
Reviewed and Approved by.


Charles Simons
Laboratory Manager

Attachment 4

Water/Air Sampling Results – March 13, 2003

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 13-MAR-03

Client ID: INFLUENT-3-17-03

Lab ID: L34315-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BOD-5 DAY	mg/L	14	1	SM 5210	20-MAR-03	TGA
IRON-LOW LEVEL	mg/L	.515	.0005	EPA 200.8	24-MAR-03	JMS
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	27-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	27-MAR-03	CS
MIREX	ug/L	U .002	.002	SOP 6.2	27-MAR-03	CS
PH	PH UNITS	8.34	0	EPA 150.1	19-MAR-03	CEB
TOTAL DISSOLVED SOLIDS	mg/L	437	10	EPA 160.1	20-MAR-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	79	10	EPA 160.2	20-MAR-03	STL

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by:



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T: 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number. 155

Contact: RAINER DOMALSKI

Date Received: 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 13-MAR-03

Client ID: LGAC2-3-3-17-03

Lab ID: L34315-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BOD-5 DAY	mg/L	2	1	SM 5210	20-MAR-03	TGA
IRON-LOW LEVEL	mg/L	.451	.0005	EPA 200.8	24-MAR-03	JMS
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	27-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	27-MAR-03	CS
MIREX	ug/L	U .002	.002	SOP 6.2	27-MAR-03	CS
PH	PH UNITS	8.79	0	EPA 150.1	19-MAR-03	CEB
TOTAL DISSOLVED SOLIDS	mg/L	448	10	EPA 160.1	20-MAR-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 5	5	EPA 160.2	20-MAR-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number. 155

Contact: RAINER DOMALSKI

Date Received: 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 13-MAR-03

Client ID: LGAC2-3-3-17-03

Lab ID: L34315-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
2-BUTANONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by:



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T. 814.272.1039
F. 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected. 13-MAR-03

Client ID: OUTFALL-3-17-03

Lab ID: L34315-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
SILVER-LOW LEVEL	mg/L	< .0003	.0003	EPA 200.8	24-MAR-03	JMS
ALUMINUM-LOW LEVEL	mg/L	.106	.0005	EPA 200.8	24-MAR-03	JMS
ARSENIC-LOW LEVEL	mg/L	.0195	.0003	EPA 200.8	24-MAR-03	JMS
BERYLLIUM-LOW LEVEL	mg/L	< .0004	.0004	EPA 200.8	24-MAR-03	JMS
BOD-5 DAY	mg/L	3	1	SM 5210	20-MAR-03	TGA
CADMIUM-LOW LEVEL	mg/L	.000309	.0003	EPA 200.8	24-MAR-03	JMS
CYANIDE-FREE	mg/L	< .005	.005	EPA 335.4	31-MAR-03	NLS
COD	mg/L	18.4	10	EPA 410.4	27-MAR-03	STL
CHROMIUM-LOW LEVEL	mg/L	.00105	.0006	EPA 200.8	24-MAR-03	JMS
COPPER-LOW LEVEL	mg/L	.0278	.001	EPA 200.8	24-MAR-03	JMS
IRON-LOW LEVEL	mg/L	71.7	.0005	EPA 200.8	24-MAR-03	JMS
MERCURY	mg/L	< .0002	.0002	EPA 7470A	24-MAR-03	STL
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	27-MAR-03	CS
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	27-MAR-03	CS
MIREX	ug/L	U .002	.002	SOP 6.2	27-MAR-03	CS
AMMONIA	mg/L	.43	1	EPA 350.1	25-MAR-03	STL
NICKEL-LOW LEVEL	mg/L	.0299	.0006	EPA 200.8	24-MAR-03	JMS
OIL & GREASE	mg/L	< 10	10	EPA 1664A	27-MAR-03	STL

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE , PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 13-MAR-03

Client ID: OUTFALL-3-17-03

Lab ID: L34315-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
LEAD-LOW LEVEL	mg/L	.0198	.0003	EPA 200.8	24-MAR-03	JMS
PESTICIDE/PCB ANALYSIS METHOXYCHLOR	ug/L	< .02	.02	EPA 8081	03-APR-04	CAK
PH	PH UNITS	8.82	0	EPA 150.1	19-MAR-03	CEB
ANTIMONY-LOW LEVEL	mg/L	< .0004	.0004	EPA 200.8	24-MAR-03	JMS
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BENZO (A) ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BENZO (K) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BENZO (B) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BENZO (G, H, I) PERYLENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BENZO (A) PYRENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
CHRYSENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
DIBENZ (A, H) ANTHRACENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
FLUORENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
INDENO (1, 2, 3-CD) PYRENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
PYRENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
PHENOL	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	26-MAR-03	CS

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received. 18-MAR-99
Date Reported. 04-APR-03

Invoice Number: 31184

Date Collected 13-MAR-03

Client ID OUTFALL-3-17-03

Lab ID: L34315-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TOTAL DISSOLVED SOLIDS	mg/L	440	10	EPA 160.1	20-MAR-03	STL
THALLIUM-LOW LEVEL	mg/L	< .0002	.0002	EPA 200.8	24-MAR-03	JMS
TOTAL ORGANIC CARBON	mg/L	< 1	1	EPA 415.1	28-FEB-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 5	5	EPA 160.2	20-MAR-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 18-MAR-99
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 13-MAR-03

Client ID: OUTFALL-3-17-03

Lab ID: L34315-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
ZINC-LOW LEVEL	mg/L	.881	0005	EPA 200.8	24-MAR-03	JMS

Comments: Please see Narrative L34315 for comments related to this sample

Submitted by
Exygen Research
Reviewed and Approved by



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T 814.272.1039
F: 814.231.1580
exygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact. RAINER DOMALSKI

Date Received: 18-MAR-03
Date Reported: 04-APR-03

Invoice Number: 31184

Date Collected: 15-MAR-03

Client ID: TRIP BLANK

Lab ID: L34315-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	26-MAR-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	26-MAR-03	JEG

Comments. <none>

Submitted by
Oxygen Research
Reviewed and Approved by:



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

T: 814.272.1039
F: 814.231.1580
oxygen.com

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Mar-03
Date Reported 1-Apr-03

Invoice Number 31184

Contact: RAINER DOMALSKI

Date Collected: 17-Mar-03

Client ID AGAC1-2-3-17-03

Lab ID. L34315-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
BROMOFORM	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
DIBROMOCHLOROMETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
DIBROMOMETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CUMENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
N-PROPYLBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
VINYL CHLORIDE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,1-DICHLOROETHENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,1-DICHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CHLOROFORM	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CARBON TETRACHLORIDE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
BENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TRICHLOROETHENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROPROPANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TOLUENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
TETRACHLOROETHENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
CHLOROBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
ETHYLBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
M, P-XYLENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
O-XYLENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
STYRENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 18-Mar-03
Date Reported 1-Apr-03

Invoice Number 31184

Contact RAINER DOMALSKI


Date Collected 17-Mar-03

Client ID AGAC1-2-3-17-03

Lab ID: L34315-5

PARAMETER	UNITS	RESULT	LIMIT OF			
			QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,3-DICHLOROBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,4-DICHLOROBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROBENZENE	ppb (v/v)	< 10	10	EPA-19 TO-14	27-Mar-03	SUB

Submitted by
Exygen Research
Reviewed and Approved by:


Charles Simons
Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Contact: RAINER DOMALSKI

Date Received: 18-Mar-03

Date Reported: 1-Apr-03

Invoice Number: 31184

Date Collected: 17-Mar-03

Client ID: AGAC1-2-3-17-03


Lab ID: L34315-5

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
METHYLENE CHLORIDE	ppb (v/v)	3700	M 7 0926	EPA-19 TO-14	27-Mar-03	SUB

M Result was measured against nearest internal standard assuming a response factor of 1

Submitted by
Exygen Research
Reviewed and Approved by


Charles Simons
Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Date Received: 18-Mar-03

Date Reported: 1-Apr-03

Invoice Number: 31184

Contact RAINER DOMALSKI

Date Collected: 17-Mar-03

Client ID. AGACF-3-17-03

Lab ID: L34315-6

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
BROMOFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
DIBROMOCHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
DIBROMOMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CUMENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
N-PROPYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	27-Mar-03	SUB
VINYL CHLORIDE	ppb (v/v)	< 2	2	EPA-19 TO-14	27-Mar-03	SUB
CHLOROETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	27-Mar-03	SUB
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	27-Mar-03	SUB
1,1-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,1-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CHLOROFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CARBON TETRACHLORIDE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
BENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
TRICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
TOLUENE	ppb (v/v)	6.3	1	EPA-19 TO-14	27-Mar-03	SUB
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
TETRACHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
CHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
ETHYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
M, P-XYLENE	ppb (v/v)	1.5	1	EPA-19 TO-14	27-Mar-03	SUB
O-XYLENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
STYRENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT: 155

Date Received. 18-Mar-03
Date Reported. 1-Apr-03

Invoice Number 31184

Contact. RAINER DOMALSKI

Date Collected. 17-Mar-03

Client ID AGACF-3-17-03

Lab ID: L34315-6

PARAMETER	UNITS	RESULT	LIMIT OF			
			QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	1.1	1	EPA-19 TO-14	27-Mar-03	SUB
1,3-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,4-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	27-Mar-03	SUB
1,2-DICHLOROBENZENE	ppb (v/v)	4.1	1	EPA-19 TO-14	27-Mar-03	SUB

Submitted by
Exygen Research
Reviewed and Approved by


Charles Simons
Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Contact RAINER DOMALSKI

Client ID: AGACF-3-17-03

Lab ID. L34315-6

Date Received: 18-Mar-03

Date Reported: 1-Apr-03

Invoice Number: 31184

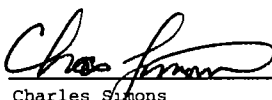
Date Collected 17-Mar-03

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
METHYL ALCOHOL	ppb (v/v)	6.5	M 4.6062	EPA-19 TO-14	27-Mar-03	SUB
BUTANE, 2-METHYL-	ppb (v/v)	12	M 5.6994	EPA-19 TO-14	27-Mar-03	SUB
PENTANE	ppb (v/v)	15	M 6.1939	EPA-19 TO-14	27-Mar-03	SUB
METHYLENE CHLORIDE	ppb (v/v)	87	M 7.0962	EPA-19 TO-14	27-Mar-03	SUB
PENTANE, 2-METHYL-	ppb (v/v)	2.2	M 7.9986	EPA-19 TO-14	27-Mar-03	SUB
HEXANE	ppb (v/v)	2.2	M 9.022	EPA-19 TO-14	27-Mar-03	SUB
ETHYL ACETATE	ppb (v/v)	3.0	M 9.6644	EPA-19 TO-14	27-Mar-03	SUB
DECANE	ppb (v/v)	3.5	M 18.965	EPA-19 TO-14	27-Mar-03	SUB
BENZENE, 1,2,4-TRIMETHYL-	ppb (v/v)	7.0	M 19.112	EPA-19 TO-14	27-Mar-03	SUB
UNKNOWN	ppb (v/v)	3.0	M 19.581	EPA-19 TO-14	27-Mar-03	SUB

M: Result was measured against nearest internal standard assuming a response factor of 1.

Submitted by
Oxygen Research
Reviewed and Approved by


Charles Simons
Laboratory Manager